深圳市博格斯通信技术有限公司
shenzhen bogesi communication technology co.,ltd

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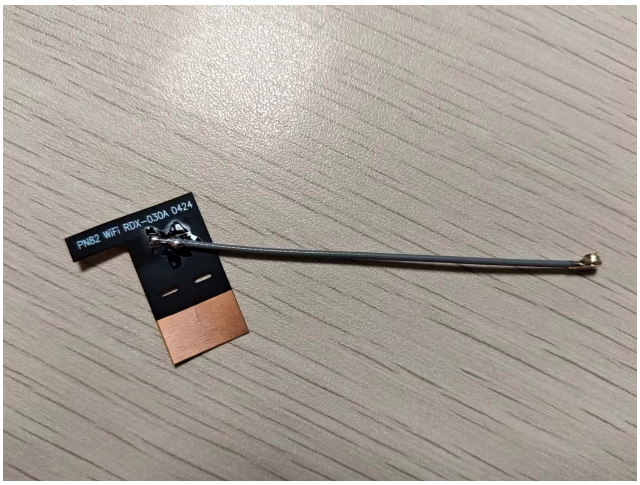
1.Antenna Specification

1.1: Electrical Specification	
Freq.Range（MHz）	2400-2500
Impedance（Ω）	50
Directional	Omni directional
Polarization	Linear
Gain（dBi）	2400-2500：1
1.2: Mechanical Specification	
Material	FPC
RF Cable Type	RF1.13
Connector Type	First generation terminal
1.3: Environmental Specification	
Operation temp	-40℃～+85℃
Storage temp	+19℃～+23℃

2.Antenna Picture

2.1: Antenna Picture

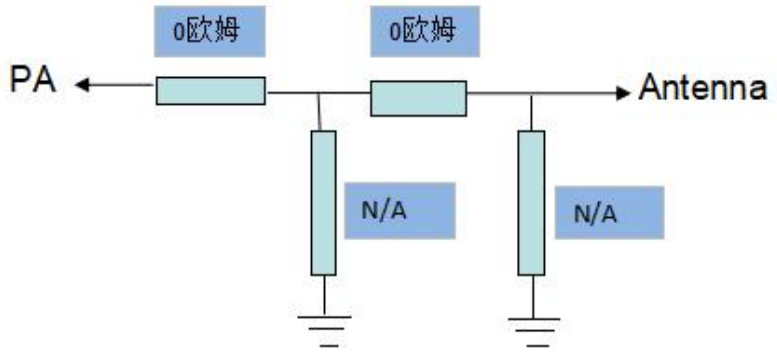


2.2: Installation Instructions

The conductive foam needs to be attached to the antenna and connected to the back of the motherboard.

3.Test Report

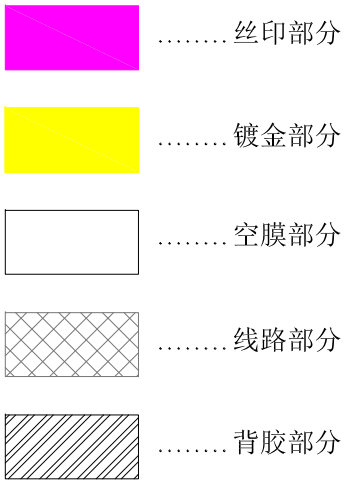
3.1: The matching circuits

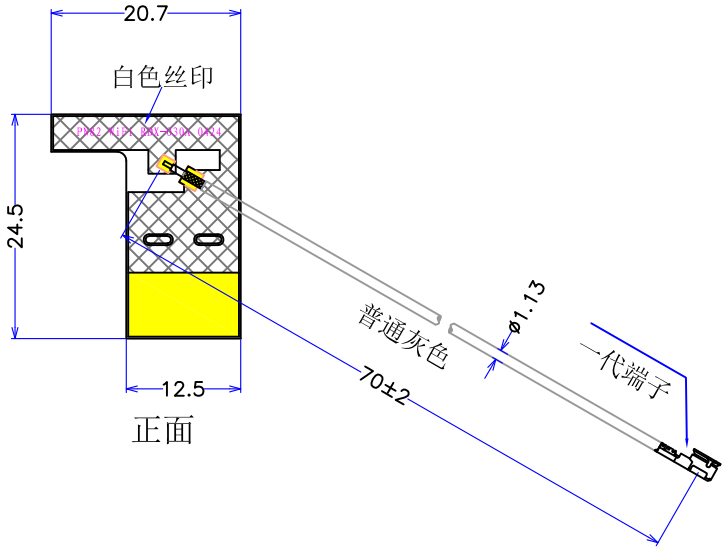


3.2: Active test data

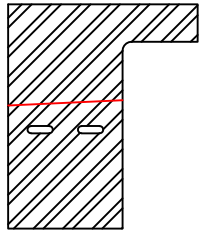
WiFi天线有源测试数据：

		TRP	TIS
Band	Channel	11b/1M	11b/11M
11b	Low	16.86	-86.35
	Mid	16.73	-86.63
	High	16.91	-86.34
		11g/6M	11g/54M
11g	Low	16.43	-71.37
	Mid	16.36	-71.72
	High	16.51	-71.88
		11n/MCS0	11n/MCS7
11n	Low	16.15	-68.15
	Mid	16.22	-68.6
	High	16.19	-68.27





正面



背面

背胶纸分割如图

注意:

1、每100个天线组件装一小包,10小包装一大包，再装箱

2、若丝印内容有增加"."或".."是我司用于区分供应商的标志，但产品性能、材质、加工工艺完全相同。

NO.	PART NO.	NAME	DESCRIPTION	QT'Y
②	RDX-030A-01A	天线辐射单元	FPC,正面喷雾面黑油,馈点镀金0.5μ'',单面背胶3M-467	1
①	RDX-030A-21B	射频连接线	OD1.13,灰色外被,一端剥镀，一端一代端子	1

变更内容			变更日期

公差范围	其它不超过±0.2	设计		产品编号	RDX-030A	材质	FPC+CABLE
		审核		客户编号	/	版本	RA
		核准		零件名称	天线组件	项目号	RDX-030
				发行日期	2024-4-28		第1页 共1页

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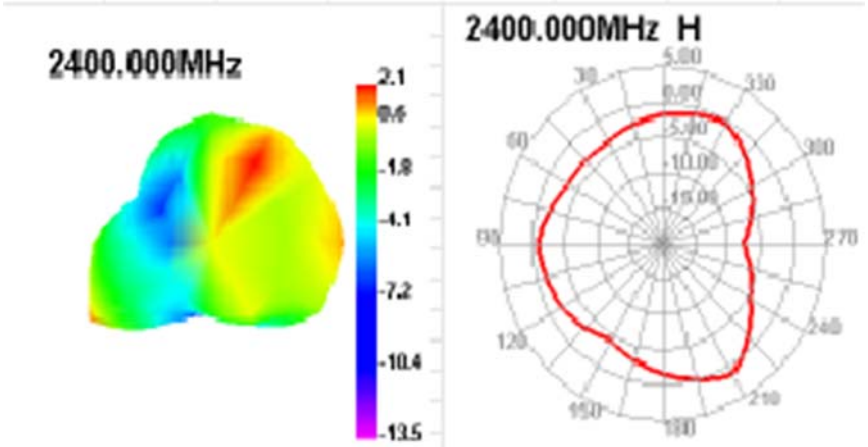
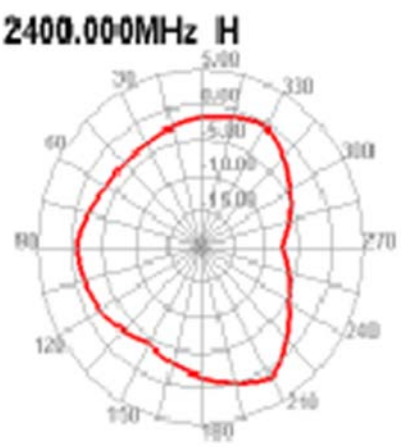
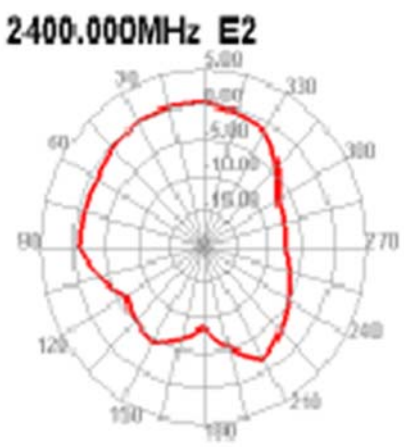
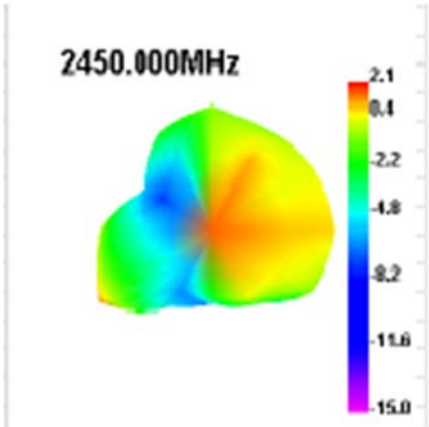
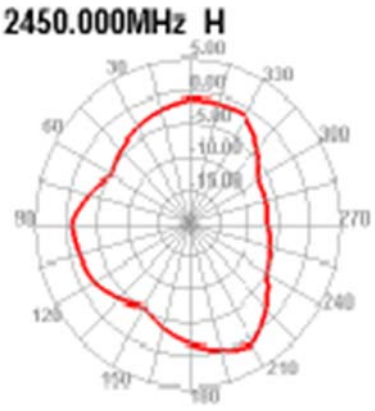

2400.000MHz
2.1
0.4
-1.8
-4.1
-7.2
-10.4
-13.5

2400.000MHz H

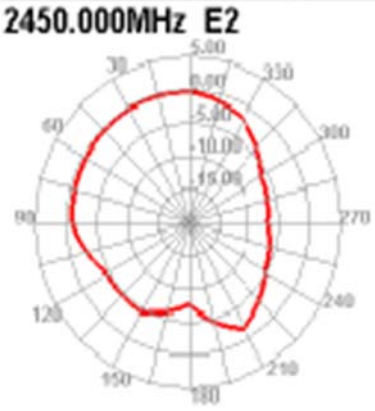

2400.000MHz H

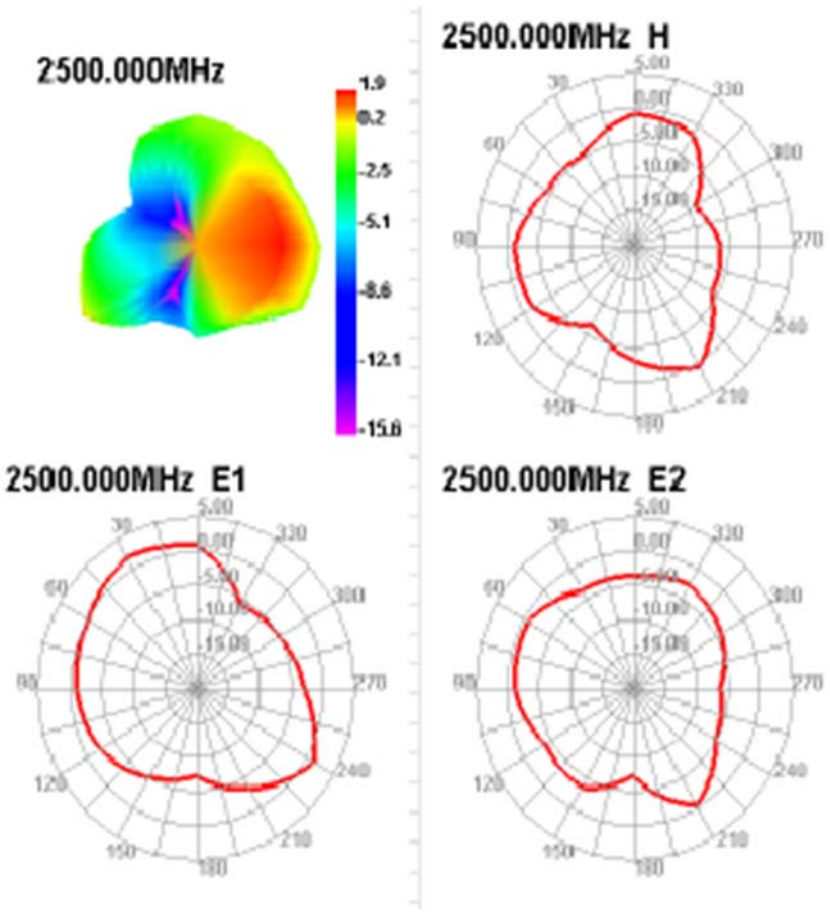

2400.000MHz E2


2450.000MHz
2.1
0.4
-2.2
-4.8
-8.2
-11.6
-15.0


2450.000MHz H


2450.000MHz E1


2450.000MHz E2


2500.000MHz
1.9
0.2
-2.5
-5.1
-8.6
-12.1
-15.8
2500.000MHz H
2500.000MHz E1
2500.000MHz E2